

ABSTRACT

A method and pump apparatus for removing formation fluids from a “liquid loaded” gas well is provided. The pump apparatus is adapted to be positioned downhole a well and is hydraulically operated to lift formation fluid, such as water from the well to “unload” the well and reestablish gas production. The pump apparatus includes a pump body, a hydraulic head connected to the pump body, and a displacement plunger operated by the hydraulic head to reciprocate the displacement plunger within pump body to draw-in and displace formation fluid from the pump apparatus. The pump apparatus is a fluid displacement type pump and has a low power consumption affording use of the pump apparatus at even the most remote well locations. Additionally, a method of operating the pump apparatus is provided